

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--------------------|------------------|---------|---------------------|
| L1    | 101  | stoichiometric near1 deficit  | US-PGPUB;<br>USPAT | ADJ              | ON      | 2009/08/05<br>11:06 |
| L2    | 1    | l1 and (sputter or sputering)   | US-PGPUB;<br>USPAT | ADJ              | ON      | 2009/08/05<br>11:07 |
| L3    | 2    | l1 and (sputter or sputtering)  | US-PGPUB;<br>USPAT | ADJ              | ON      | 2009/08/05<br>11:07 |
| S1    | 5    | ((("6440280") or ("6346176") or ("5849162") or ("6127048") or ("5820946")).PN.  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/04/17<br>15:56 |
| S2    | 50   | ("5415756"<br>"4883574" "4581118"<br>"5858471" "6277507"<br>"6284106" "6340416"<br>"6346301" "6376093"<br>"6436252" "6451178"<br>"6451180" "6454920"<br>"6468598" "6572738"<br>"6776882" "6783641"<br>"6814839" "6857433"<br>"6858537" "6878243"<br>"6998331" "7106488"<br>"7235160" "7238631"<br>"7267842" "7307772"<br>"20010006148"<br>"20020070106"<br>"20020142099"<br>"20030038028"<br>"20030062335"<br>"20030141184"<br>"20040007702"<br>"20040011385"<br>"20040089537"<br>"20040149759"<br>"20050003104"<br>"20050029088"<br>"20050136656"<br>"20050202167"<br>"20050260786"<br>"20060006382"<br>"20060151312"<br>"20070008605" | US-PGPUB;<br>USPAT | OR               | ON      | 2008/04/17<br>15:57 |

|     |        |   |                    |     |    |                     |
|-----|--------|---|--------------------|-----|----|---------------------|
|     |        | "20070044716"<br>"20070256926"<br>"20070259132"<br>"5490910"<br>"5272014" ).pn.             |                    |     |    |                     |
| S3  | 38235  | sputter\$ with coat\$3  | US-PGPUB;<br>USPAT | OR  | ON | 2008/04/17<br>16:01 |
| S4  | 21077  | (sputter\$ with coat\$3)<br>with (reactive deposit<br>\$3)                                  | US-PGPUB;<br>USPAT | OR  | ON | 2008/04/17<br>16:02 |
| S5  | 2437   | ((sputter\$ with coat<br>\$3) with (reactive<br>deposit\$3)) and "204".<br>clas.            | US-PGPUB;<br>USPAT | OR  | ON | 2008/04/17<br>16:02 |
| S6  | 0      | ep-0719874-\$.did.  | EPO                | ADJ | ON | 2008/06/05<br>12:57 |
| S7  | 1      | ep-719874-\$.did.   | EPO                | ADJ | ON | 2008/06/05<br>12:57 |
| S8  | 10775  | reactive near1<br>(sputter or sputtering)   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:04 |
| S9  | 10400  | S8 and (oxygen or<br>oxide or "o.sub.2" or<br>nitrogen or nitride or<br>"n.sub.2")          | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:05 |
| S10 | 1829   | S9 and stoichiometr\$2  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:05 |
| S11 | 97247  | S10 and (tantalum or<br>ta) and (silicon or Si)<br>or (niobium or Nb)                       | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:06 |
| S12 | 506    | S11 and (optical<br>near1 (monitor or<br>detector))   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:07 |
| S13 | 288    | S12 and<br>(predetermined or pre-<br>determined)  | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:08 |
| S14 | 157    | S12 and<br>(predetermined or pre-<br>determined)  | USPAT              | ADJ | ON | 2008/06/05<br>13:08 |
| S15 | 340609 | S13 and "204".clas. or<br>"428".clas. or "427".<br>clas. or "118".clas. or<br>"205".clas.   | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:10 |
| S16 | 38     | S13 and ("204".clas.<br>or "428".clas. or "427".<br>clas. or "118".clas. or<br>"205".clas.) | US-PGPUB;<br>USPAT | ADJ | ON | 2008/06/05<br>13:11 |

|     |      |  |                              |     |    |                     |
|-----|------|--|------------------------------|-----|----|---------------------|
| S17 | 1043 | S10 and ((tantalum or ta) and (silicon or Si) or (niobium or Nb))  | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/06/05<br>13:11 |
| S18 | 18   | S17 and (optical near1 (monitor or detector))  | US-PGPUB;<br>USPAT           | ADJ | ON | 2008/06/05<br>13:12 |
| S19 | 18   | ("4065600"  <br>"4166783"  <br>"4311725"  <br>"4407709"  <br>"5126028"  <br>"5169509"  <br>"5292417"  <br>"5354575"  <br>"5423970"  <br>"5525199"  <br>"5556520"  <br>"5579162"  <br>"5607559"  <br>"5618575"  <br>"5665214"  <br>"5772861").PN. OR<br>("6217720").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2008/06/05<br>14:12 |
| S20 | 293  | plasma and monitor and (reactive near1 deposition)   | US-PGPUB;<br>USPAT           | ADJ | ON | 2009/03/03<br>12:21 |
| S21 | 538  | plasma and (monitor or monitored or monitoring or detect or detecting) and (reactive near1 deposition)   | US-PGPUB;<br>USPAT           | ADJ | ON | 2009/03/03<br>12:22 |
| S22 | 79   | plasma and (monitor or monitored or monitoring or detect or detecting) and (reactive near1 deposition) and stoichio\$5   | US-PGPUB;<br>USPAT           | ADJ | ON | 2009/03/03<br>12:22 |

**EAST Search History (Interference)**

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**8/ 5/ 2009 11:07:54 AM****C:\Documents and Settings\mband\My Documents\EAST\Workspaces\10537224.wsp**